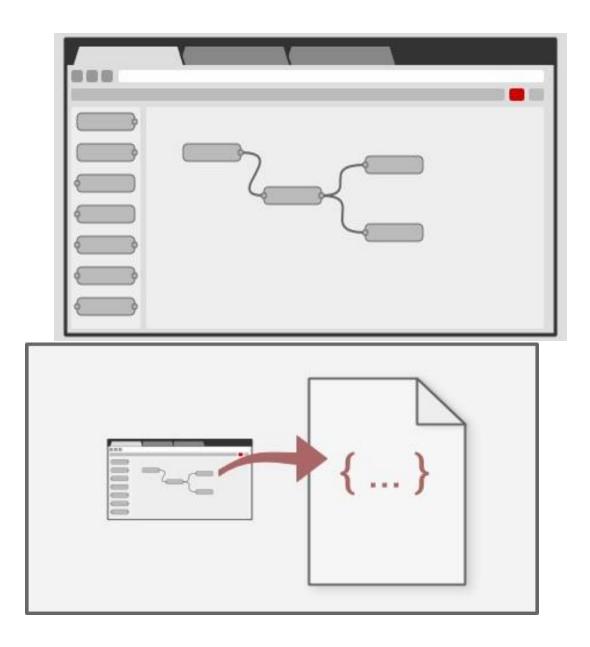
Team ID	PNT2022TMID52229
Project Name	Project –IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

## **Creating NODE-RED Service**

- Node-RED is a flow-based development tool for visual programming developed originally by IBM for wiring together hardware devices, APIs and online services as part of the Internet of Things.
- Node-RED provides a web browser-based flow editor, which can be used to create JavaScript functions. Elements of applications can be saved or shared for re-use.
- The runtime is built on Node.js.
- The flows created in Node-RED are stored using JSON.

## **Social Development:**

- The flows created in Node-RED are stored using JSON which can be easily imported and exported for sharing with others.
- An online flow library allows you to share your best flows with the world.

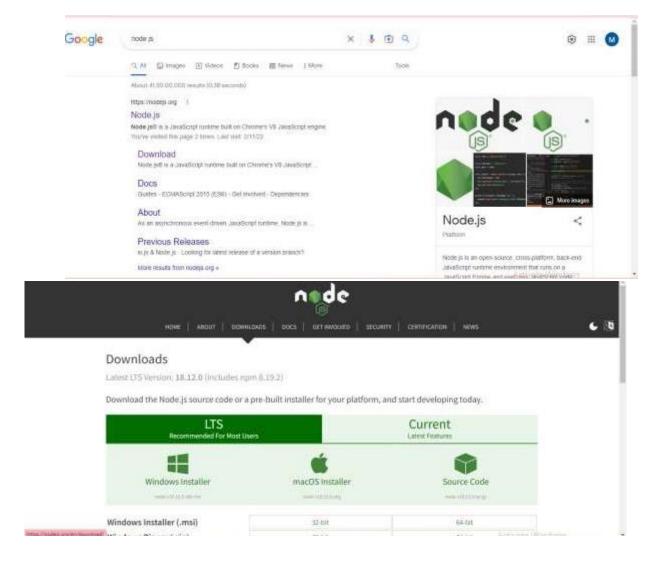


**Step1:** go to nodejs website and download .msi file in downloads page.

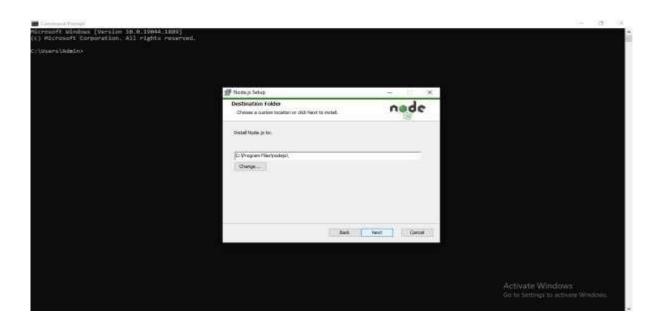
**Step2:**run the .msi file and install the nodejs.

**Step3:** install nodered in command prompt: npm install -g -- unsafeperm node-red

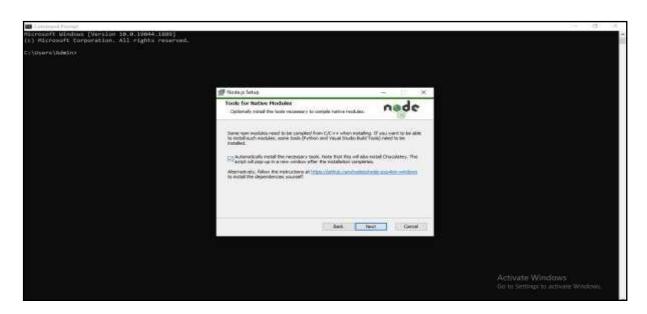
**Step4:** type node-red in cmd and u will get the local server link, just open it.

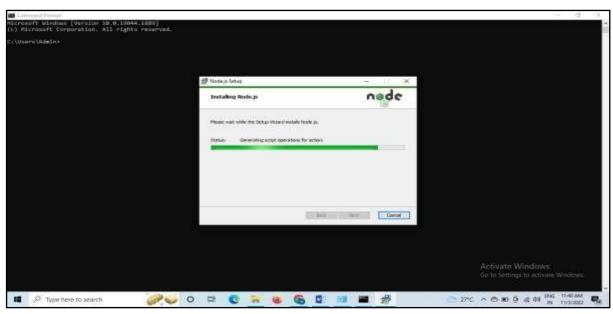




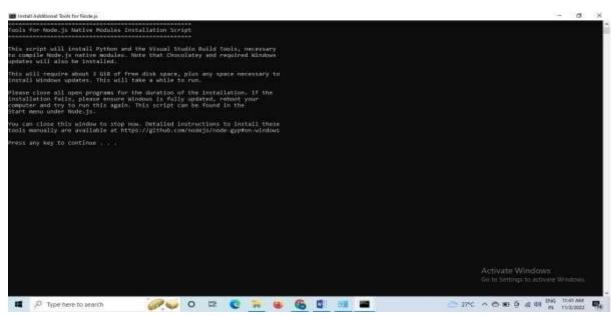


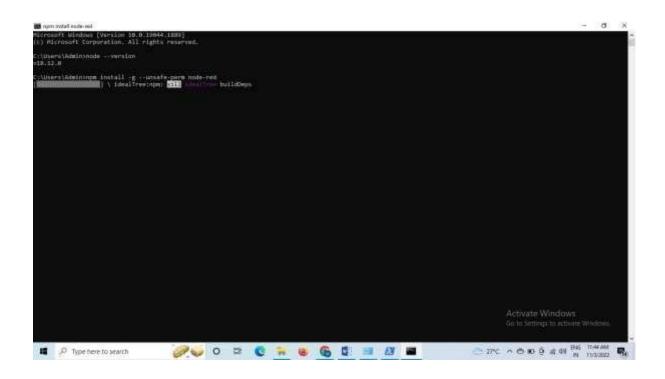


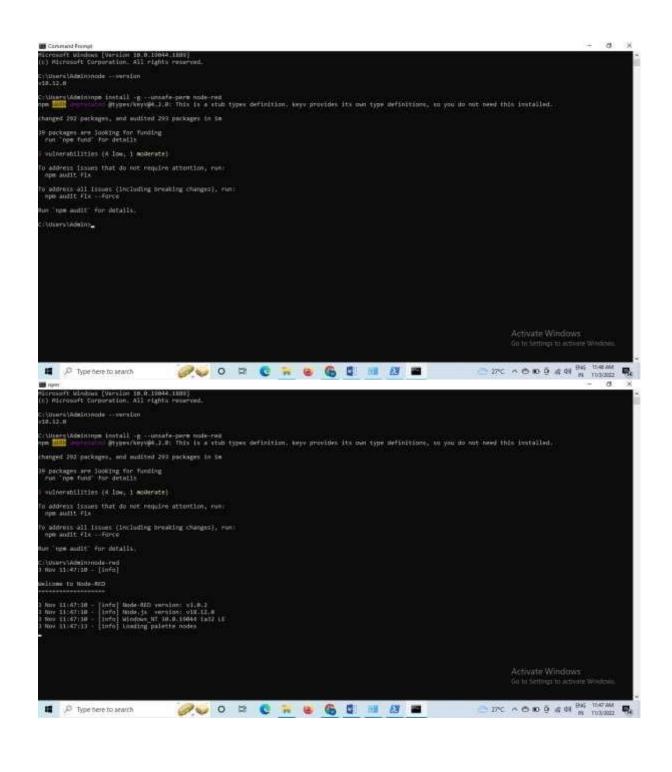


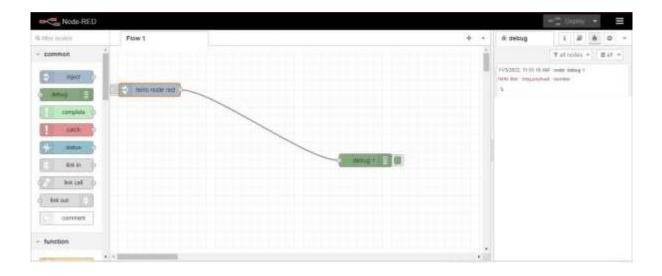












Thus we created NODE-RED Service.